

# Agreement for Digital Ortho-Photography

February 18, 2004

Price guaranteed for 90 days from the above stated date

Prepared for:

**Pulaski County**

**To Provide**

**6 Inch Photography  
and  
Map Realignment**



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[www.wthengineering.com](http://www.wthengineering.com)

WTH Engineering, Inc (the "Company") wishes to provide Pulaski County (the "Client") with Digital Ortho-Photography. The following defines the scope of products and services to be offered by the Company and the compensation to be paid by the Client.

1. **Summary:** The following is a summary of this contract. Each item is described in more detail below.

- a) The Company will provide to the Client digital ortho-photography with 6 inch pixel resolution.
- b) Existing county map layer realigned to new ortho-photography.
- c) The total cost of these products and services will be \$60,898.

2. **Responsibilities of the Company:** This section will describe the responsibilities of WTH Engineering throughout the scope of this project. Parts of this project will be performed by ImageAmerica, WTH's Imagery Provider.

- a. **Image Collection** – Image America shall collect new aerial imagery of the project area (the Client defined project boundary) using their DDP-2 Camera System. The imagery will be collected from an altitude of 10,000 feet for 6 inch above ground level under cloud-free sky conditions, during a time period specified by the customer using beginning and ending dates, during hours of the day when the sun angle is optimal or as otherwise prescribed by the Client.
- b. **Image Processing and Delivery** – Image America shall control the newly collected imagery to the control source provided by the Company. Image America shall orthorectify the controlled imagery to produce mosaiced 6 inch resolution black and white orthoimagery using the digital elevation model provided by the Company. If the Company does not provide a DEM/DTM, then USGS DEM will be used. ImageAmerica shall deliver the orthorectified imagery on CD (or other media designated by the Client), in an uncompressed GeoTIFF format named and tiled per the scheme provided by the Company within 45 business days following the collection of all imagery and availability of the DEM.
- c. **Product Accuracy** – Products will comply with National Map Accuracy Standards (NMAS) for 1-foot resolution imagery. The Client may, at its option, evaluate the accuracy of the delivered orthoimage product by comparing photo identifiable positions given by the delivered orthoimage product to those given by a higher accuracy source (a field survey with 2-3cm RMS is preferred). Each photo identifiable point used in the evaluation shall have a true elevation value within 30cm of the elevation reported by the DEM source for that location and no fewer than 4 points nor more than 10 points shall be used in the evaluation. The Client shall accept the delivered orthoimage product if the number of measured photo identifiable points with discrepancies greater than 3.33 feet for 6 inch does not exceed 10%. The Client must complete its acceptance testing within 30 days of delivery and submit a copy of the acceptance test to ImageAmerica. If the customer finds the delivered dataset fails testing, no further compensation is due ImageAmerica.

- d. **Point of Contact** – The Company shall provide a single point of contact to handle all questions or issues that arise during the course of the project. This person will be readily accessible at all times to ensure prompt resolution of any issues that are presented. This contact person will also be responsible for coordinating activities with the local Airport as a result of higher security measures.
- e. **Control Points** – The Company shall provide between 4 and 10 photo identifiable points in or near the project area that have accurate three dimensional position data.
- f. **Questionnaire** – The Company shall provide information collected on Image America's questionnaire form necessary in order to plan and execute the collection, processing, and delivery effort.
- g. **Tiling & Naming Scheme** – The Company shall define, in writing, the image tiling & naming scheme required for the delivered orthoimage product.
- h. **Project Boundary** – The Company shall define, in writing, the complete boundary of the project area. The boundary of the project area will be the Pulaski County Boundary unless otherwise specified by the Client.

#### **Map Alignment**

Company agrees to fit the existing layers of information on the Clients Think Map to the new aerial photography as a part of this contract. The Client will need to supply all of the agreed upon layers to be fit to the aerial photography to the Company.

#### **Customer Service**

WTH will provide follow-up service and support of the newly installed ortho-photography and realigned map layers under the continuing software maintenance and support agreement currently in place with the County.

#### **Price and Payment**

	<b>Delivery Date from Contract Signing</b>	<b>Description</b>	<b>Invoice Date from Contract Signing</b>	<b>Amount</b>
Aerial Photography Collection		Collection of Aerial Photography Data	When Flown	\$15,299
Aerial Photography Data Verified	45 Days after flight	WTH & County verification and acceptance of aerial photography	Upon Acceptance	\$30,599
Delivery	60 Days after Aerial Photography received	Fit existing layer data to new Aerial Photography On-site Installation and Training	Upon installation of new data at the county	\$15,000
<b>Total</b>				<b>\$60,898</b>

IN WITNESS WHEREOF, the parties have executed this Agreement as of this 1<sup>st</sup> day of March, 2004.

**Company:**  
**WTH Engineering, Inc.**

Signature: \_\_\_\_\_

Name: Rex Jones

Title: President

Date: \_\_\_\_\_

**Client:**  
**Pulaski County, Indiana**

Signature: Michael T. Tiede

Name: Michael T. Tiede

Title: President, Board of Commissioners

Date: 3-1-04

Signature: Marion L. Kasten

Name: Marion L. Kasten

Title: Co. Commissioner

Date: 3-1-04

**Attest:**

Signature: Sheryl D. De Groot

Name: Sheryl D. De Groot

Title: Auditor, Pulaski County

Date: 3-1-04

Signature: Richard L. Summers

Name: RICHARD L. SUMMERS

Title: COMMISSIONER

Date: 1 Mar 04



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